



A.D. 1861, 26th FEBRUARY. N^o 489.

S P E C I F I C A T I O N

OF

EDWARD ETTRICK.

FURNACES.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

Prior 3d

1861.



A.D. 1861, 26th FEBRUARY. N° 489.

Furnaces.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Edward Ettrick at the Office of the Commissioners of Patents, with his Petition, on the 26th February 1861.

I, EDWARD ETRICK, of North Hylton, near Sunderland, in the County of Durham, do hereby declare the nature of the said Invention for “IMPROVEMENTS IN THE CONSTRUCTION OF FURNACES FOR THE PREVENTION OR CONSUMPTION OF SMOKE,” to be as follows:—

This Invention consists principally in the use or employment of longitudinal perforated tubes of metal, fire-clay, brick, or other material running parallel with the sides of the furnace in the flame bed, in connection with a hollow perforated bridge running across the same. Air from the ash-pit passes along two or more hollow tubes placed about level with the fire bars (or acting as fire bars) into the hollow perforated bridge, becoming intensely heated on its passage, and thence passing into the longitudinal perforated tubes is distributed through the holes therein and in the hollow bridge into the furnace on all sides in small streams or jets, and mixing with the flame and combustible gases in the furnace effects the consumption or prevention of the smoke therein.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1861.

